

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 21 June 2001 (21.06.01)	Arlington, VA 22202 ETATS-UNIS D'AMERIQUE in its capacity as elected Office
International application No. PCT/EP00/07184	Applicant's or agent's file reference SCB583PCT
International filing date (day/month/year) 26 July 2000 (26.07.00)	Priority date (day/month/year) 30 July 1999 (30.07.99)
Applicant BONGRANI, Stefano et al	

1. The designated Office is hereby notified of its election made:

in the demand filed with the International Preliminary Examining Authority on:

12 February 2001 (12.02.01)

in a notice effecting later election filed with the International Bureau on:

2. The election was

was

was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

<p>The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No.: (41-22) 740.14.35</p>	<p>Authorized officer</p> <p>Pascal Piriou</p> <p>Telephone No.: (41-22) 338.83.38</p>
Form PCT/IB/331 (July 1992)	

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 February 2001 (08.02.2001)

PCT

(10) International Publication Number
WO 01/08667 A2

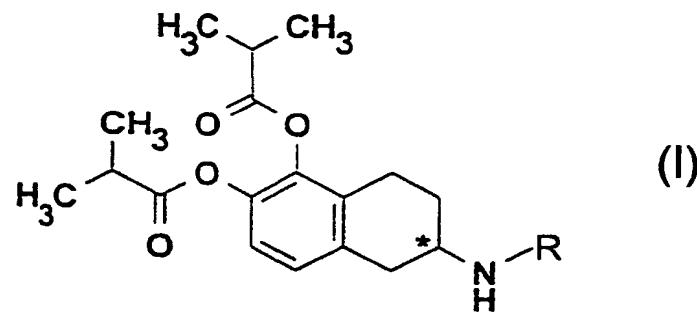
- (51) International Patent Classification⁷: **A61K 31/00**
- (21) International Application Number: **PCT/EP00/07184**
- (22) International Filing Date: 26 July 2000 (26.07.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
MI99A001713 30 July 1999 (30.07.1999) IT
- (71) Applicant (for all designated States except US): **CHIESI FARMACEUTICI S.P.A.** [IT/IT]; Via Palermo, 26/A, I-43100 Parma (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BONGRANI, Stefano** [IT/IT]; Via Palermo, 26/A, I-43100 Parma (IT). **RAZZETTI, Roberta** [IT/IT]; Via Palermo, 26/A, I-43100 Parma (IT). **CHIESI, Paolo** [IT/IT]; Via Palermo, 26/A, I-43100 Parma (IT).
- (74) Agents: **MINOJA, Fabrizio et al.**; Bianchetti Bracco Minoja SRL, Via Rossini, 8, I-20122 Milano (IT).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— Without international search report and to be republished upon receipt of that report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: 2-AMINOTETRALIN DERIVATIVES FOR THE THERAPY OF GLAUCOMA



WO 01/08667 A2

(57) Abstract: The use of racemic or optically active compounds represented by formula (I) and the salts thereof wherein R is H or CH₃ for the preparation of pharmaceutical compositions for the therapy of ophthalmic disorders.

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/EP 00/07184

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K31/216 A61P27/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EPO-Internal, WPI Data, PAJ, CHEM ABS Data, EMBASE, MEDLINE, SCISEARCH

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^a	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MORISCO CARMINE ET AL: "Hemodynamic effects of graded oral doses of a new dopaminergic analogue CHF 1035 in patients with congestive heart failure." JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY, no. SPEC. ISSUE, 1995, page 128A XP000989553 44th Annual Scientific Session of the American College of Cardiology; New Orleans, Louisiana, USA; March 19-22, 1995 ISSN: 0735-1097 paragraph '0001! - paragraph '0002! --	4,5
X	GB 2 123 410 A (CHIESI FARMA SPA) 1 February 1984 (1984-02-01) claim 25 page 1, line 35 - line 44 --	4,5
	--/--	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

^a Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

5 March 2001

09/03/2001

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.
Fax: (+31-70) 340-3016

Authorized officer

Bonzano, C

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 00/07184

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96 29065 A (UMILE ALBERTO ;CHIESI PAOLO (IT); BONGRANI STEFANO (IT); CHIESI FA) 26 September 1996 (1996-09-26) page 3, paragraph 3 - paragraph 7 ---	4,5
Y	US 5 236 907 A (UENO RYUZO ET AL) 17 August 1993 (1993-08-17) column 9, line 56 -column 10, line 3 claims 1,4 ---	1-3
Y	EP 0 009 702 A (SCHERING CORP) 16 April 1980 (1980-04-16) page 21, line 30 -page 22, line 5 -----	1-3

INTERNATIONAL SEARCH REPORT

Information on patent family members

Int'l Application No

PCT/EP 00/07184

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2123410	A	01-02-1984	IT 1218322 B DE 3320936 A FR 2528422 A	12-04-1990 22-12-1983 16-12-1983
WO 9629065	A	26-09-1996	IT MI950532 A AU 702656 B AU 5107296 A BR 9607996 A CA 2215671 A CN 1181699 A CZ 9702866 A EP 0814791 A HU 9801686 A JP 11502211 T LT 97147 A, B LV 11882 A LV 11882 B NO 974267 A PL 322284 A SI 9620036 A SK 125497 A TR 9700963 T US 6013678 A ZA 9602073 A	17-09-1996 25-02-1999 08-10-1996 23-06-1998 26-09-1996 13-05-1998 18-03-1998 07-01-1998 28-06-1999 23-02-1999 25-02-1998 20-12-1997 20-03-1998 07-11-1997 19-01-1998 28-02-1998 04-02-1998 21-02-1998 11-01-2000 25-09-1996
US 5236907	A	17-08-1993	JP 2008226 C JP 2096528 A JP 7039343 B JP 2009965 C JP 2096529 A JP 7039344 B AT 111736 T AT 162074 T DE 68918391 D DE 68918391 T DE 68928551 D DE 68928551 T EP 0366279 A EP 0580268 A US 5194429 A	11-01-1996 09-04-1990 01-05-1995 02-02-1996 09-04-1990 01-05-1995 15-10-1994 15-01-1998 27-10-1994 19-01-1995 19-02-1998 23-04-1998 02-05-1990 26-01-1994 16-03-1993
EP 0009702	A	16-04-1980	AT 351 T AU 528626 B AU 5088179 A CA 1151211 A CY 1175 A DD 150457 A DE 2961263 D DK 387579 A ES 484208 D ES 8101038 A FI 792884 A GR 73179 A HK 13383 A HU 185523 B IE 49301 B IL 58258 A JP 1605790 C	15-11-1981 05-05-1983 27-03-1980 02-08-1983 10-06-1983 02-09-1981 14-01-1982 21-03-1980 01-12-1980 01-03-1981 21-03-1980 14-02-1984 29-04-1983 28-02-1985 18-09-1985 31-01-1984 31-05-1991

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 00/07184

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0009702 A		JP 2010128 B	06-03-1990
		JP 55055147 A	22-04-1980
		JP 59108749 A	23-06-1984
		JP 2167253 A	27-06-1990
		KE 3283 A	13-05-1983
		KR 8901998 B	07-06-1989
		MY 4285 A	31-12-1985
		NO 792993 A,B,	21-03-1980
		NZ 191589 A	30-03-1984
		OA 6339 A	30-06-1981
		PH 16794 A	28-02-1984
		PL 218408 A	08-09-1980
		PT 70191 A	01-10-1979
		SG 283 G	16-09-1983
		US 4312863 A	26-01-1982
		US 4619919 A	28-10-1986
		US 4950783 A	21-08-1990
		YU 227379 A	30-06-1983
		ZA 7904872 A	26-11-1980

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference SCB583PCT	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/EP 00/ 07184	International filing date (day/month/year) 26/07/2000	(Earliest) Priority Date (day/month/year) 30/07/1999
Applicant CHIESI FARMACEUTICI S.P.A. et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 - the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :
 - contained in the international application in written form.
 - filed together with the international application in computer readable form.
 - furnished subsequently to this Authority in written form.
 - furnished subsequently to this Authority in computer readable form.
 - the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
 - the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. Certain claims were found unsearchable (See Box I).

3. Unity of invention is lacking (see Box II).

4. With regard to the **title**,

- the text is approved as submitted by the applicant.
- the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- the text is approved as submitted by the applicant.
- the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

- as suggested by the applicant.
- because the applicant failed to suggest a figure.
- because this figure better characterizes the invention.

None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 00/07184

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K31/216 A61P27/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EPO-Internal, WPI Data, PAJ, CHEM ABS Data, EMBASE, MEDLINE, SCISEARCH

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

5 March 2001

Date of mailing of the international search report

09/03/2001

Name and mailing address of the ISA

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NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bonzano, C

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 00/07184

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96 29065 A (UMILE ALBERTO ;CHIESI PAOLO (IT); BONGRANI STEFANO (IT); CHIESI FA) 26 September 1996 (1996-09-26) page 3, paragraph 3 - paragraph 7 ---	4,5
Y	US 5 236 907 A (UENO RYUZO ET AL) 17 August 1993 (1993-08-17) column 9, line 56 -column 10, line 3 claims 1,4 ---	1-3
Y	EP 0 009 702 A (SCHERING CORP) 16 April 1980 (1980-04-16) page 21, line 30 -page 22, line 5 -----	1-3

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/EP 00/07184	
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Patent document cited in search report	Publication date	Patent family member(s)			Publication date
GB 2123410	A 01-02-1984	IT 1218322	B		12-04-1990
		DE 3320936	A		22-12-1983
		FR 2528422	A		16-12-1983

WO 9629065	A 26-09-1996	IT MI950532	A		17-09-1996
		AU 702656	B		25-02-1999
		AU 5107296	A		08-10-1996
		BR 9607996	A		23-06-1998
		CA 2215671	A		26-09-1996
		CN 1181699	A		13-05-1998
		CZ 9702866	A		18-03-1998
		EP 0814791	A		07-01-1998
		HU 9801686	A		28-06-1999
		JP 11502211	T		23-02-1999
		LT 97147	A, B		25-02-1998
		LV 11882	A		20-12-1997
		LV 11882	B		20-03-1998
		NO 974267	A		07-11-1997
		PL 322284	A		19-01-1998
		SI 9620036	A		28-02-1998
		SK 125497	A		04-02-1998
		TR 9700963	T		21-02-1998
		US 6013678	A		11-01-2000
		ZA 9602073	A		25-09-1996

US 5236907	A 17-08-1993	JP 2008226	C		11-01-1996
		JP 2096528	A		09-04-1990
		JP 7039343	B		01-05-1995
		JP 2009965	C		02-02-1996
		JP 2096529	A		09-04-1990
		JP 7039344	B		01-05-1995
		AT 111736	T		15-10-1994
		AT 162074	T		15-01-1998
		DE 68918391	D		27-10-1994
		DE 68918391	T		19-01-1995
		DE 68928551	D		19-02-1998
		DE 68928551	T		23-04-1998
		EP 0366279	A		02-05-1990
		EP 0580268	A		26-01-1994
		US 5194429	A		16-03-1993

EP 0009702	A 16-04-1980	AT 351	T		15-11-1981
		AU 528626	B		05-05-1983
		AU 5088179	A		27-03-1980
		CA 1151211	A		02-08-1983
		CY 1175	A		10-06-1983
		DD 150457	A		02-09-1981
		DE 2961263	D		14-01-1982
		DK 387579	A		21-03-1980
		ES 484208	D		01-12-1980
		ES 8101038	A		01-03-1981
		FI 792884	A		21-03-1980
		GR 73179	A		14-02-1984
		HK 13383	A		29-04-1983
		HU 185523	B		28-02-1985
		IE 49301	B		18-09-1985
		IL 58258	A		31-01-1984
		JP 1605790	C		31-05-1991

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 00/07184

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0009702 A		JP 2010128 B	06-03-1990
		JP 55055147 A	22-04-1980
		JP 59108749 A	23-06-1984
		JP 2167253 A	27-06-1990
		KE 3283 A	13-05-1983
		KR 8901998 B	07-06-1989
		MY 4285 A	31-12-1985
		NO 792993 A, B,	21-03-1980
		NZ 191589 A	30-03-1984
		OA 6339 A	30-06-1981
		PH 16794 A	28-02-1984
		PL 218408 A	08-09-1980
		PT 70191 A	01-10-1979
		SG 283 G	16-09-1983
		US 4312863 A	26-01-1982
		US 4619919 A	28-10-1986
		US 4950783 A	21-08-1990
		YU 227379 A	30-06-1983
		ZA 7904872 A	26-11-1980

PATENT COOPERATION TREATY
PCT
INTERNATIONAL PRELIMINARY EXAMINATION REPORT
(PCT Article 36 and Rule 70)

Applicant's or agent's file reference SCB583PCT	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/EP00/07184	International filing date (day/month/year) 26/07/2000	Priority date (day/month/year) 30/07/1999
International Patent Classification (IPC) or national classification and IPC A61K31/216		
<p>Applicant CHIESI FARMACEUTICI S.P.A. et al.</p> <p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 4 sheets, including this cover sheet.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of sheets.</p> <p>3. This report contains indications relating to the following items:</p> <ul style="list-style-type: none"> I <input checked="" type="checkbox"/> Basis of the report II <input type="checkbox"/> Priority III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV <input type="checkbox"/> Lack of unity of invention V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI <input type="checkbox"/> Certain documents cited VII <input type="checkbox"/> Certain defects in the international application VIII <input type="checkbox"/> Certain observations on the international application 		

Date of submission of the demand 12/02/2001	Date of completion of this report 13.07.2001
Name and mailing address of the international preliminary examining authority: European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Cattell, James Telephone No. +49 89 2399 8468



**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/EP00/07184

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

Description, pages:

1-14 as originally filed

Claims, No.:

1-5 as originally filed

Drawings, sheets:

1/2-2/2 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- the language of publication of the international application (under Rule 48.3(b)).
- the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- contained in the international application in written form.
- filed together with the international application in computer readable form.
- furnished subsequently to this Authority in written form.
- furnished subsequently to this Authority in computer readable form.
- The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- the description, pages:
- the claims, Nos.:

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/EP00/07184

the drawings, sheets:

5. This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement**

1. Statement

Novelty (N) Yes: Claims 1-5
 No: Claims

Inventive step (IS) Yes: Claims 1-5
 No: Claims

Industrial applicability (IA) Yes: Claims 1-5
 No: Claims

2. Citations and explanations
see separate sheet

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/EP00/07184

V.

- 1). The compounds of the claims are known for use in cardio vascular disorders (See D1, Morisce Carmine et al; D2, GB-A-2 123 410, page 10 lines 7 to 13 and D3, WO 96 29065, page 17 lines 3 to 11)

The specific use to treat glaucoma in dedicated ophthalmic solutions is neither disclosed nor obvious from these documents under Article 33 PCT.

**PATENT COOPERATION TREATY
PCT**

REC'D 17 JUL 2001	
WIPO	PCT

**INTERNATIONAL PRELIMINARY EXAMINATION REPORT
(PCT Article 36 and Rule 70)**

Applicant's or agent's file reference SCB583PCT	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/EP00/07184	International filing date (day/month/year) 26/07/2000	Priority date (day/month/year) 30/07/1999
International Patent Classification (IPC) or national classification and IPC A61K31/216		
<p>Applicant CHIESI FARMACEUTICI S.P.A. et al.</p> <p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 4 sheets, including this cover sheet.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of sheets.</p> <p>3. This report contains indications relating to the following items:</p> <ul style="list-style-type: none"> I <input checked="" type="checkbox"/> Basis of the report II <input type="checkbox"/> Priority III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV <input type="checkbox"/> Lack of unity of invention V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI <input type="checkbox"/> Certain documents cited VII <input type="checkbox"/> Certain defects in the international application VIII <input type="checkbox"/> Certain observations on the international application 		

Date of submission of the demand 12/02/2001	Date of completion of this report 13.07.2001
Name and mailing address of the international preliminary examining authority: European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Cattell, James Telephone No. +49 89 2399 8468



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/07184

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):
Description, pages:

1-14 as originally filed

Claims, No.:

1-5 as originally filed

Drawings, sheets:

1/2-2/2 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
 - the language of publication of the international application (under Rule 48.3(b)).
 - the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- contained in the international application in written form.
- filed together with the international application in computer readable form.
- furnished subsequently to this Authority in written form.
- furnished subsequently to this Authority in computer readable form.
- The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- the description, pages:
- the claims, Nos.:

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/EP00/07184

- the drawings, sheets:
5. This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c));
(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)
6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims	1-5
	No:	Claims	
Inventive step (IS)	Yes:	Claims	1-5
	No:	Claims	

Industrial applicability (IA) Yes: Claims 1-5
 No: Claims

**2. Citations and explanations
see separate sheet**

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/EP00/07184

V.

- 1). The compounds of the claims are known for use in cardio vascular disorders (See D1, Morisce Carmine et al; D2, GB-A-2 123 410, page 10 lines 7 to 13 and D3, WO 96 29065, page 17 lines 3 to 11)

The specific use to treat glaucoma in dedicated ophthalmic solutions is neither disclosed nor obvious from these documents under Article 33 PCT.

INTERNATIONAL SEARCH REPORT

Int'l. Application No

PCT/EP 00/07184

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K31/216 A61P27/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EPO-Internal, WPI Data, PAJ, CHEM ABS Data, EMBASE, MEDLINE, SCISEARCH

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MORISCO CARMINE ET AL: "Hemodynamic effects of graded oral doses of a new dopaminergic analogue CHF 1035 in patients with congestive heart failure." JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY, no. SPEC. ISSUE, 1995, page 128A XP000989553 44th Annual Scientific Session of the American College of Cardiology; New Orleans, Louisiana, USA; March 19-22, 1995 ISSN: 0735-1097 paragraph '0001! - paragraph '0002! ---	4,5
X	GB 2 123 410 A (CHIESI FARMA SPA) 1 February 1984 (1984-02-01) claim 25 page 1, line 35 - line 44 ---	4,5 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

8 document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

5 March 2001

09/03/2001

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Bonzano, C

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 00/07184

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96 29065 A (UMILE ALBERTO ;CHIESI PAOLO (IT); BONGRANI STEFANO (IT); CHIESI FA) 26 September 1996 (1996-09-26) page 3, paragraph 3 - paragraph 7 -----	4,5
Y	US 5 236 907 A (UENO RYUZO ET AL) 17 August 1993 (1993-08-17) column 9, line 56 -column 10, line 3 claims 1,4 -----	1-3
Y	EP 0 009 702 A (SCHERING CORP) 16 April 1980 (1980-04-16) page 21, line 30 -page 22, line 5 -----	1-3

INTERNATIONAL SEARCH REPORT

Information on patent family members

Int	National Application No
	PCT/EP 00/07184

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 00/07184

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